

## Abstract

### Radiation-emitting thin-film semiconductor chip

The invention discloses a radiation-emitting thin-film semiconductor chip with an epitaxial multilayer structure (12), which contains an active, radiation-generating layer (14) and has a first main face (16) and a second main face (18) - remote from the first main face - for coupling out the radiation generated in the active, radiation-generating layer. Furthermore, the first main face (16) of the multilayer structure (12) is coupled to a reflective layer or interface, and the region (22) of the multilayer structure that adjoins the second main face (18) of the multilayer structure is patterned one- or two-dimensionally with convex elevations (26).

Figure 1